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PATENT ABSTRACTS OF JAPAN

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(71)Applicant : NEC CORP

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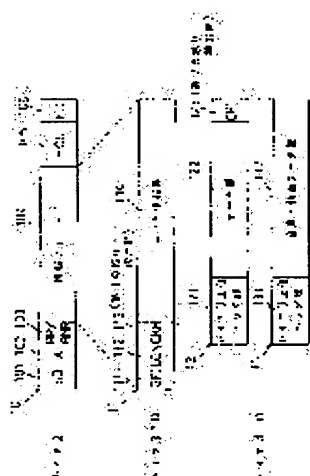
(72)Inventor : SUZUKI HIROSHI

(54) PACKET SWITCHING SYSTEM

(57)Abstract:

PURPOSE: To realize fast packet in-network transfer, by making a terminal execute the resending processing of an error control, and concentrating a packet transfer processing on an in-network exchange.

CONSTITUTION: A packet transferred among each packet terminal is transmitted in a transmission frame on each transmission line. The packet is constituted of a header information part 12 used for the switching processing of the packet, a first error detecting part 113 to perform error detection only for the header information part, and a user information part 114. The user information part in the packet which requires the error control for the user information part, includes a second error detecting part 123 to perform the error detection only for the user information part. It is identified whether the error control for the user information of the packet is required or not, by detecting only the transmission error of the header information part 12 by the first error detecting part of the packet, for a reception packet, by each exchange, and performing the error detection of the header information part by the first error detecting part of the packet, for the reception packet, by each packet terminal.



LEGAL STATUS

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